

SnowEx Winter 1 - Other: NRL P-3 02/20/17 Science Report

Aircraft:

Other: NRL P-3

Date:

Monday, February 20, 2017

Mission:

SnowEx Winter 1

Mission Location:

Petersen AFB, Colorado Springs, CO

Mission Summary:

The original plan was to fly over Grand Mesa and Senator Beck and do all the SnowSAR lines as well as a minimum of two CAR circles. Flew over Fraser on the way there and started with the SnowSAR calibration line, at which point issues with the instrument cropped up. The data collected did not seem to be viable. Aborted the flight lines in lieu of troubleshooting SnowSAR while hunting for decent locations for CAR circles. Tried several things in flight, but nothing seemed to fix the issue. Due to duty day restrictions and limited flight opportunities, the decision to RTB was made in order to continue troubleshooting on the ground in hopes to fix it in time for flying the next day. Managed to get two CAR circles before landing. IR Suite also collected data, although there were some clouds. Altitudes flown were between 2500 ft AGL and 6500 ft AGL. Pilots were Cmdr Neall, Lt Cmdr Rossi, and Lt Miller. Duration: 3 hrs.

Submitted by:

Eugenia De Marco on 02/24/17

Related Flight Report:

Other: NRL P-3 02/20/17

Payload Configuration:

SnowEx - Winter 1 (2018)

Nav Data Collected:

No

Total Flight Time:

4 hours

Submitted by:

Eugenia De Marco on 04/13/17

Flight Segments:

From:	Petersen AFB, CO	To:	Petersen AFB, CO
Start:	02/20/17 16:50 Z	Finish:	02/20/17 20:50 Z
Flight Time:	4 hours		
Log Number:	17M034	PI:	Edward Kim
Funding Source:	Jared Entin - NASA - SMD - ESD Hydrology Program		
Purpose of Flight:	Science		

Flight Hour Summary:

	17M034
Flight Hours Approved in SOFRS	48
Total Used	32.5
Total Remaining	15.5

17M034 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
02/16/17		Transit	5.7	5.7	42.3
02/16/17 - 02/17/17		Science	4.4	10.1	37.9
02/18/17		Science	3.7	13.8	34.2
02/20/17		Science	4	17.8	30.2
02/21/17		Science	5.8	23.6	24.4

02/22/17	Science	5	28.6	19.4
03/04/17 - 03/05/17	Ferry	3.9	32.5	15.5

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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